Andrew J Haire

# UNDERSTANDING SMART INFRASTRUCTURE

(CLOUD & BIG DATA)

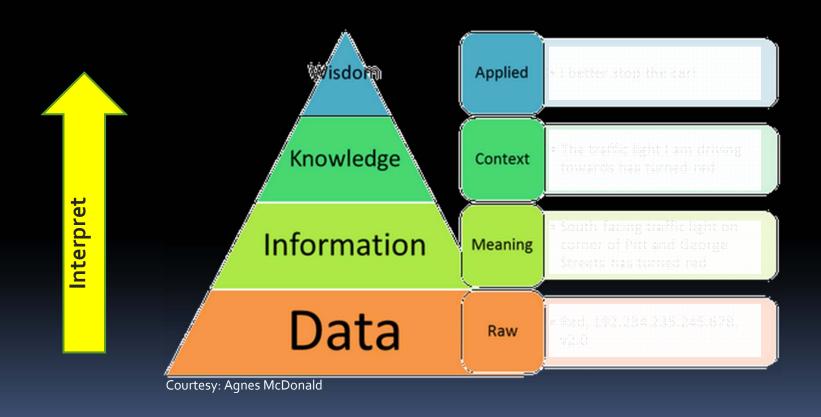
### Agenda

- Set the stage
  - Understand more about what Data is
  - What is Big Data
  - Know more about Cloud view from inside & outside
  - Why Now?
- Opportunities The Benefits
  - Value creation
  - Benefits for individual; society Smart Cities
  - Ownership
- Concerns the risks
  - Good intentions gone wrong
- Public Policy Issues

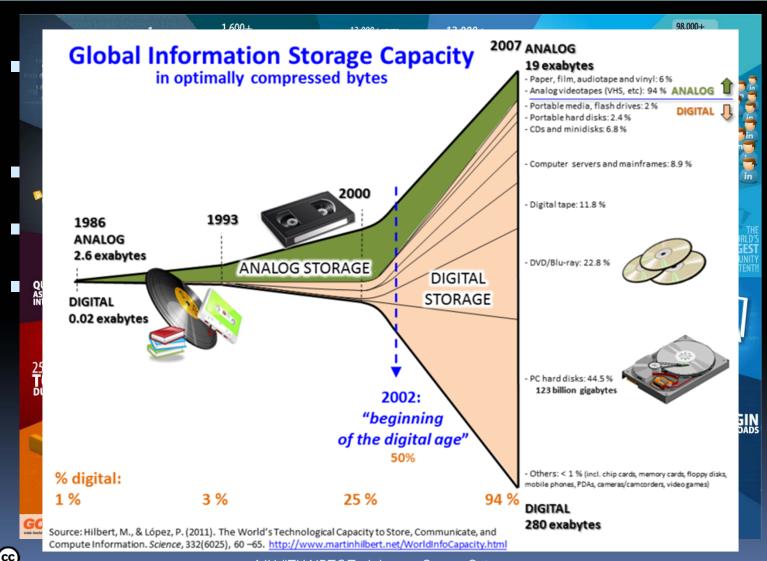


### Set the Stage...

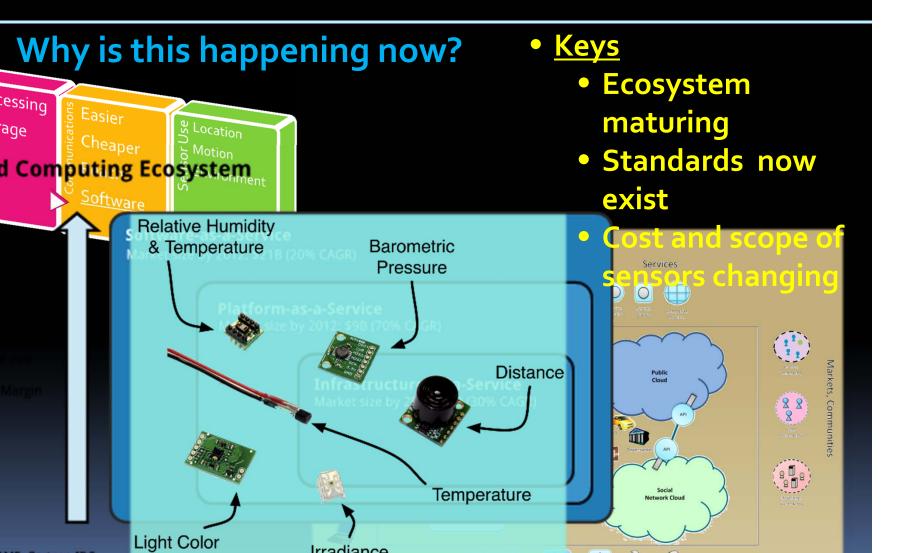
#### What are Characteristics of Data



# How fast is it growing?



### Drivers



### Set the Stage...

### What makes Data 'Big'



# Set the Stage...

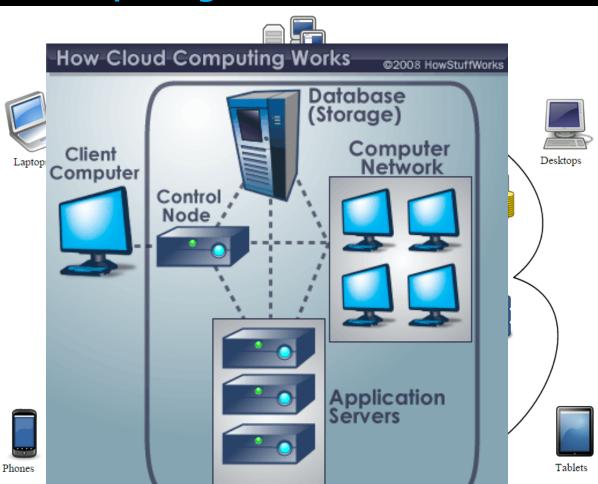
### **More about Cloud Computing**

Outside:

How we acc

Inside:

What makes



### Who Benefits?

### Where are the benefits of BD and Cloud Computing?

The enterprise

- Changing business model
- HR
- Transport

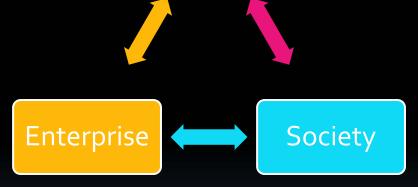
The Individual

- Improved offers
- Roads less travelled
- Medicine

Society at Large

- Climate Change
- Education
- Crime prevention

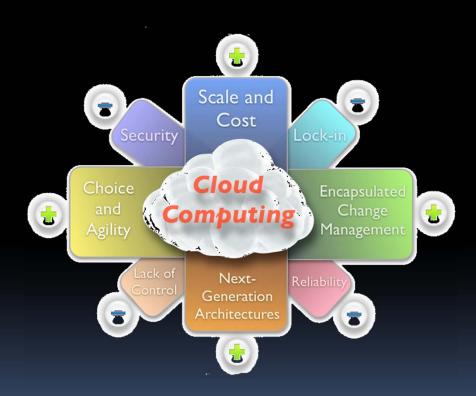




- Legal side effects
- Altered perceptions

### Who Benefits

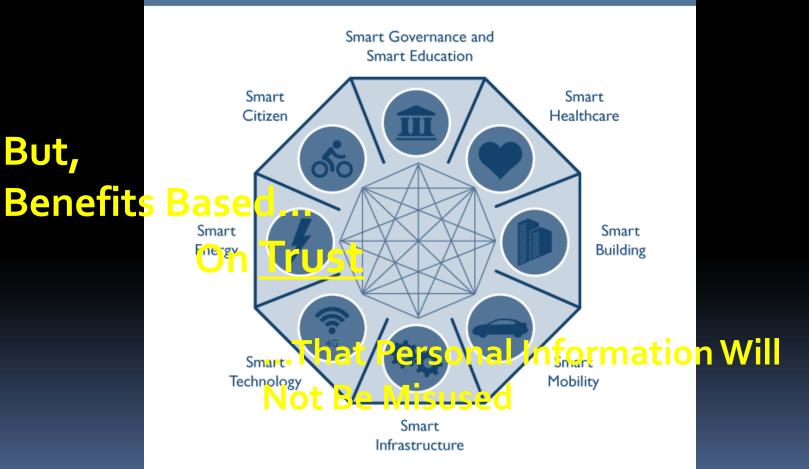
#### What are the Pros and Cons of Cloud



# Apply to SSC

But,

#### SMART CITY CONCEPTS



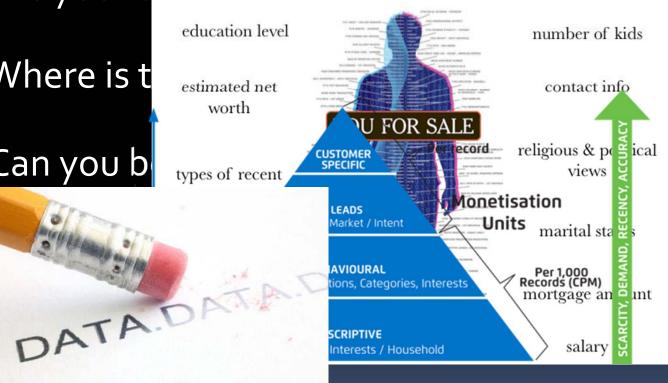
# Outcomes leading to Concerns

### What might impact **Trust**?

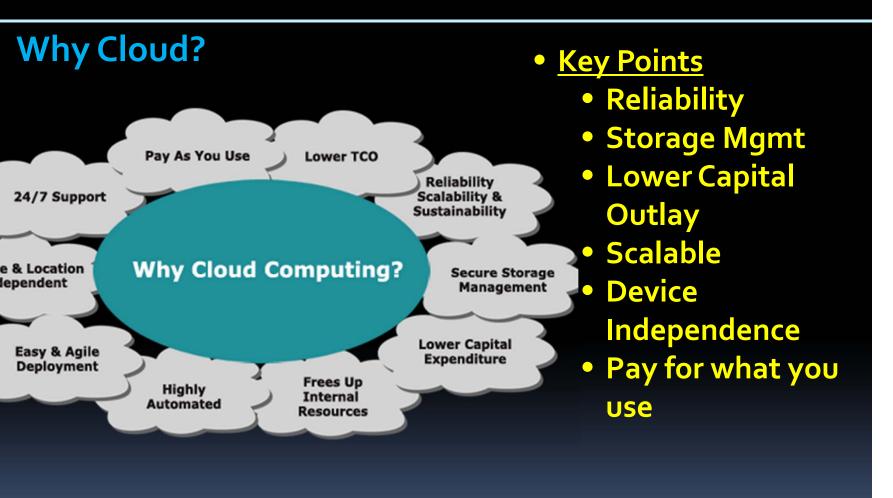
Are you for Sale?

Where is t

Can you b



### Success Factors



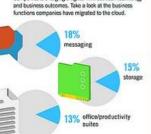
### Success Factors

#### What Does This Bring?

#### Reasons susinesses se the Cloud

ry year, more and more businesses are on ing cloud. while that it in a yim hough as an In decision, cloud is increasingly agonsidered a business decision to lecture meany functions. Take a look a control of the year of din yim how to their technology arsenals.









It makes collaboration easy

on multiple devices, making cross-functional

collaboration much easier. Here's what leading organizations—those that are gaining competitive advantage through cloud—cited as popular uses:

collaborate across the organization

improve integration between

development and operations

Cloud allows work to be accessed from anywhere

Reasons for the Cloud

utomotive

Security

umer goods

rices

saw improvement in

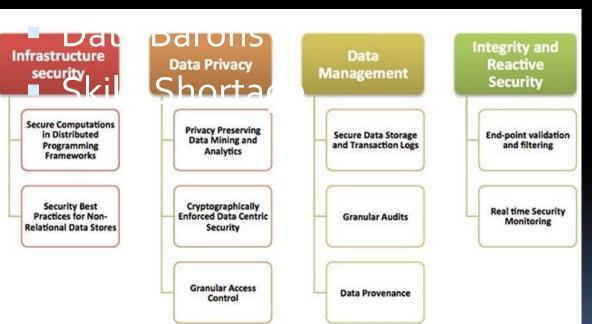
Insight
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### Success Factors

#### Avoiding pitfalls/traps/obstacles to success

- Maintain Public Trust
- Cloud Safety



- Keys
  - Infrastructure Security
  - Data Privacy
  - Data Mgm't
  - Integrity

### Wrap...

- •
- What do we know now
  - What is Data and What makes it 'Big'
  - What is Cloud Computing
  - What are the Drivers
- Opportunities & Considerations
- Existing models
- Policy Considerations

# Thank You